

From: [Papler, Roger@Waterboards](mailto:Papler.Roger@Waterboards)
To: gary.a.jones@me.com
Cc: Ben.Leslie-Bole; ["morash.melanie@epa.gov"](mailto:'morash.melanie@epa.gov') (morash.melanie@epa.gov); Heather.Balfour; Wolfenden.John@Waterboards
Subject: I-S/C - Siemens: Concurrence - VI Workplan Addendum
Date: Friday, February 14, 2014 7:13:30 PM

Hello Gary:

Thank you again for submitting the:

- 14Feb14 *Revised Third Addendum to Work Plan to Evaluate Potential Vapor Intrusion* (Addendum)
- Feb12 *Work Plan to Evaluate Potential Vapor Intrusion* (Workplan)
- 13Feb14 email to USEPA *Proposed Sample Locations* (Email 1)
- 14Feb14 email *Addendum Review* (Email 2)

The following briefly summarizes the Addendum along with relevant portions of the Workplan, Emails 1 and 2, brief discussions with your consultant ERM, and provides our response.

Addendum Summary

The Regional Water Board reviewed the Addendum with the Workplan and Emails 1 and 2. The Addendum as modified by Emails 1 and 2 proposes the following:

- Shutting down the HVAC system for 36 hours with outdoor air intakes closed.
- Collecting 28 24-hour indoor air (IA) samples at the on-property commercial building.
- Analyzing the IA samples using USEPA Method TO-15.
- Comparing the IA results with:
 - Outdoor air sample results.
 - Short-term health-based short-term response action levels.
 - Long-term health-based screening levels.

A brief discussion with your consultant ERM today indicated that conversations with USEPA indicated that 24-hour IA sampling period was preferred over a 10-hour sample requested in the Comments. The 24-hour sampling period was based on the building occupancy revealed during the 11Feb14 site walk through with USEPA.

Regional Water Board Response

Based on our review of the above with the 21Jan14 USEPA Memo titled *Comments on January 8, 2014 Second and Third Addendums to Work Plan to Evaluate Potential Vapor Intrusion* (Comments), we concur with the Addendum as modified by conversations with USEPA. Please implement the Addendum as summarized above.

As per the Workplan, please notify the Regional Water Board and USEPA within 48 hours if the IA results exceed the outdoor air, short- or long-term screening levels.

Respectfully,

Roger W. Papler, P.G.
 Engineering Geologist
 San Francisco Bay Regional Water Quality Control Board
 1515 Clay Street, Suite 1400
 Oakland, CA 94612

From: Heather Balfour [Heather.Balfour@erm.com]
Sent: Friday, February 14, 2014 6:29 PM
To: Papler, Roger@Waterboards; 'morash.melanie@epa.gov' (morash.melanie@epa.gov)
Cc: Ben Leslie-Bole
Subject: RE: I-S/C - Siemens: Addendum Review

Roger,

Please see the following attachments:

- Requested February 2012 Work plan - AMEC. 2012a. *Work Plan to Evaluate Potential Vapor Intrusion, Intersil/Siemens Site, Indoor Air Study Area, Cupertino, California*. 12 February.
- Email submitted to USEPA yesterday identifying the indoor air and outdoor air sample locations.

At the end of the site walk on Tuesday, we had identified 26 potential indoor air sample locations and 2 outdoor air sample locations. USEPA and ERM agreed that we would collect a total of 28 samples from 23 representative indoor air sample locations, 3 field duplicates and 2 outdoor air sample locations. Melanie and ERM discussed that we would select the locations based on the following:

- Collect samples from all potential concrete slab penetrations including utility penetrations, floor drains and elevator shafts.
- In areas where we had offices and group rooms we could eliminate one or the other.

In our conversation yesterday morning (approximately 8:30 am), Melanie and I discussed including the following:

- Collection of a sample within the EVS storage room. During the site walk we did not include this room because we identified PCE in the chemical storage. The tenant subsequently removed and Melanie requested a sample from that location.
- Collection of sample from two ground penetrations for the fire suppression system where samples were collected in 2002.

The sample locations submitted in the Work Plan reflect these conversations with Melanie. We have not corresponded with her since sending her the Table yesterday afternoon.

Please let Ben or I know if you have any additional questions.

Thanks,

Heather Balfour
ERM
(916) 296-5132 (mobile)